

New Brain Cells'
Role in Memory

Tastier Crops with No GMOs

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SPRICIAL REPORT

# Connected Work Connected C

How global sensor networks are extending the human nervous system

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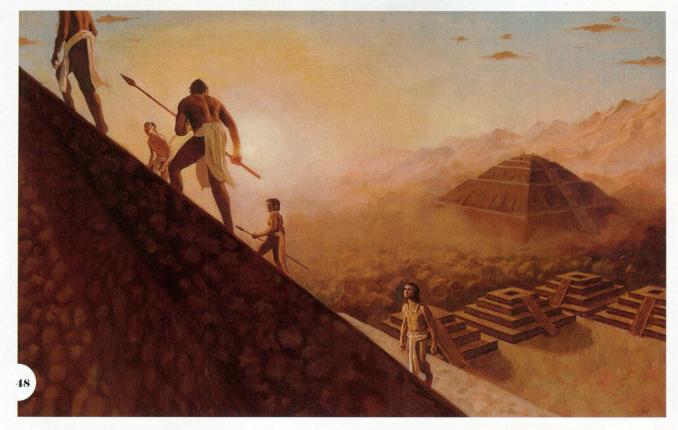
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The modern world is filled with network-connected sensors—gyroscopes, cameras, microphones, and so on. Generally, the data they produce are used for single applications. Once sensor data become freely available to all devices, however, we could enter an era of ubiquitous computing, in which sensors in the external world augment human perception. Image by André Kutscherauer.



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If purified sewage water ran from the tap, would you drink it? Residents of San Diego are getting used to the idea, and others might have to, too. Recycling may be the safest, most environmentally sound source of drinking water yet. By Olive Heffernan

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Nobel Prize winners have written many articles for *Scientific American* on aspects of the human body, including smell, muscles, vision and the immune system. Here, on the occasion of the summer confab in Lindau, Germany, are some excerpts. *Compiled by Ferris Jabr* 







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# SPECIAL REPORT

# S1 Cancer: The March on Malignancy

Science has augmented its arsenal in the war on cancer with powerful tools of molecular diagnostics, big data-driven approaches and personalized treatments. Here is a progress report, produced by our sister publication, *Nature*.

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